

ROUTERmate-EX EXECUTIVE ROUTER Easy Install Checklist

918-6247E/1

Use this checklist to install and test Osicom's Executive Router. For reference and additional information, see the *Routermate Executive Router Installation and Operation* manual. If you have any questions during installation, contact Osicom Technologies' Customer Service at (800) 359-2273.

Default configuration settings - The default settings allow you to get started quickly and easily with minimal configuration.

NOTE

If your application matches the default settings of IP routing over an unnumbered PPP link, then you only need to configure the IP address and subnet mask on the LAN port. See step 7.

Verify that the following parameters suit your application. Contact your carrier and network administrator or Internet services provider.

The router's default settings are:

LAN interface:

Protocol: *Ethernet* (fixed)

Port 0 (LAN):

IP Address: 192.0.2.1
Subnet Mask: 255.255.255.0
IP Routing: *Enabled*
IPX Routing: *Disabled*
Bridging: *Disabled*
Frame Type: *TYPE II*

WAN Interface:

Protocol: *PPP* (Point-to-Point)

Port 1 (WAN):

IP Routing: *Enabled*
Mode: *Unnumbered*
IPX Routing: *Disabled*
Bridging: *Disabled*
IP Address: 192.0.3.1 (Numbered Mode)
Subnet Mask: 255.255.255.0
DLCI: 25

NOTE

The WAN 1 interface is pre-configured according to the specific model ordered (RS-232, RS-530, V.35, or X.21). If your application requires a different interface, see *Jumper Settings for WAN 1 Interface* in the manual (Chapter 2). See also step 4.

Perform all the steps in the procedure if your application requires settings that are different from the defaults.

☐ **STEP 1: Installation Checklist**

1. Prepare the site, including provision for a dedicated power outlet. Locate the unit in close proximity to the LAN hub.
2. Obtain the following items:
 - ANSI terminal with a straight-through RS-232 cable.
 - a 10BaseT LAN cable.

☐ **STEP 2: Power Up**

1. Apply power.
2. The red **SYS** LED blinks momentarily, then goes out.

☐ **STEP 3: Connect Terminal**

1. Use a straight-through RS-232 cable to connect the terminal to the CONSOLE port on the front of the router. Power-on the terminal and configure the terminal as follows:
 - Rate: 9600 bps
 - Mode: full duplex
 - Character: 8 bits
 - Parity: none
 - Stop bits: 1
 - CR = CR

The Terminal Selection screen appears. If the Terminal Selection screen does not appear, type [CTRL-N].

2. Type the letter for the type of terminal that is connected to the router; you are prompted for a password.
3. Type [CR], the default password, to access the management screens. The Main Menu is displayed.

☐ **STEP 4:** *Verify the correct interface type required for connection to the DCE*

1. Access the WAN 1 Lower Layer Status screen. The Interface Type is read from the hardware jumpers.
2. If the interface is not the type required by the DCE, set the jumpers as described in *Jumper Settings for WAN 1 Interface* in the manual (Chapter 2).

NOTE

If you change the jumpers for the WAN 1 interface, you may require a different cable than the one shipped with the unit.

☐ **STEP 5:** *Configure Protocol for the WAN*

1. Access the WAN 1 Configuration screen.
2. Select the Protocol: *PPP*, *Frame Relay - Annex D*, or *Frame Relay - No LMI*. Default is *PPP*.

☐ **STEP 6:** *Enable/Disable IP, IPX, Bridging for LAN*

Access the Port 0 Configuration screen and set IP Routing, IPX Routing, and Bridging to *Enabled* or *Disabled*.

☐ **STEP 7:** *Configure IP, IPX Options for LAN*

If IP Routing is *Enabled*:

1. Access the Port 0 IP Routing Options screen.
2. Configure the Address.
3. Configure the Subnet Mask.
4. Configure Frame Type to match the type used on the LAN. The default is TYPE II, which is almost always used.

If IPX Routing is *Enabled*:

1. Access the Port 0 IPX Routing Options screen.
2. Configure the IPX Network Number for the LAN.
3. Configure the Frame Type to match the type used on the LAN.

☐ **STEP 8:** *Enable/Disable IP, IPX, Bridging for WAN*

For Point-to-Point applications, configure the following for Port 1 only.

For Frame Relay applications, configure the following for each port 1-14 as required.

1. Access the Port Configuration screen.
2. Set IP Routing, IPX Routing, and Bridging to *Enabled* or *Disabled*.
3. *Frame Relay only:* Configure the DLCI for this port. **The number configured here is the DLCI used to reach the remote site.**
4. *Frame Relay only:* verify Encapsulation is set for RFC1490 (default).

☐ **STEP 9:** *Configure IP, IPX Options for WAN*

For Point-to-Point applications, configure the following for Port 1.

For Frame Relay applications, configure the following for each port for which a DLCI was configured in the previous step.

If IP Routing is *Enabled*:

1. Access the IP Routing Options screen for the individual port.
2. Configure the IP Address and Subnet Mask. No entries are required for Unnumbered Mode.

For Frame Relay applications:

If the remote router requires it, enable Inverse ARP on the port IP Routing Options screen. The router does not require Inverse ARP (default is disabled).

If IPX Routing is *Enabled*:

1. Access the IPX Routing Options screen for the individual port.
2. Configure the IPX Network Number for the WAN. No entry is required for Unnumbered Mode.
3. Enable or Disable IPXWAN to match the router on the other end of the WAN link. Support for IPXWAN is only provided to allow the Executive Router to be compatible with Novell routers. It is not required to route IPX and should be disabled unless it is required. The default is disabled.

For Frame Relay applications:

If the remote router requires it, enable Inverse ARP on the port IPX Routing Options screen. The Executive Router does not require Inverse ARP (default is disabled).

☐ **STEP 10:** *Attach LAN and WAN Cables*

1. Use the WAN cable included with the unit to connect the WAN 1 interface to the DCE.
2. Use a customer-supplied 10BaseT drop cable to connect the 10BaseT interface to the LAN.

☐ **STEP 11:** *Save Configuration to Flash*

When your configuration has been implemented and checked out to be satisfactory, access the Main Menu and select **Save to Flash**; a prompt will appear to confirm your selection.

If the new configuration is not satisfactory, power cycle the router (off-on) before saving it to restore the original configuration.

WARNING

If the unit is power cycled before the configuration is saved to flash, the original configuration will be restored.